Sriram Alokam
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AWS Developer Associate

PROFESSIONAL SUMMARY:

- **8+ years** of extensive experience as a Java Developer in analysis, development and testing of Web based, Client/Server and Distributed applications using Java and Java EE Technologies.
- Experience developing component-based n-tier applications using J2EE technologies and strong programming experience in JDK 1.7/1.8, J2EE technologies – **Servlets, JSP, JDBC, Java Persistence API (JPA), Hibernates** and **Spring Microservices**.
- Strong experience in UI development using web technologies like **HTML5, XHTML, DHTML, CSS3(SAAS/LESS), Bootstrap, JavaScript, JQUERY, AJAX, Angular 2** and **ReactJS.**
- Strong experience in Spring Framework modules such as **Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Boot, Spring REST, Spring Boot Actuator, Spring Batch, Spring Cloud, Spring Security, Spring Microservices.**
- Developed and deployed **Microservices** based applications using **Spring Boot** and **Spring Cloud**.
- Experience in implementing the **J2EE design patterns** like **Singleton**, **Factory**, **MVC (Model-View-Controller)**, **Adapter**, **Session Facade**, **DAO (Data Access Object)**, **DTO (Data Transfer Object)**, **Business Delegate** and **Business Object.**
- Expertise in developing **SOA** (Service Oriented Architecture), **REST** and **J2EE Web Services** based on **SOAP, WSDL, UDDI, JAX-WS, JAXB, JAX-RPC** using tools like **Apache Axis.**
- Experience with databases such as **Oracle, SQL Server, MySQL, DB2** and **MS Access**.
- Strong experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from **SQL** relational databases to **NoSQL** databases.
- Knowledge of XML and related technologies like XSL, XSLT and parsers like JAXP (SAX, DOM) and JAXB.
- Experience in implementing web-based projects using Web/Application Servers such as **WebLogic, Apache Tomcat, IBM WebSphere**, and **JBOSS** Application Server.
- Utilized Java 8 features like **Lambda expressions** and **Stream API** for Bulk **data operations** on **Collections.**
- Expert in Core Java and implementing concepts like **Multithreading, Concurrency, Exception Handling, File handling, IO, Generics and Java collections** in various projects.
- Knowledge of application development for Cloud platforms using technologies like Java/J2EE, Spring Boot, Spring Cloud, Microservices. Experience in Microservices and Spring Boot application development.
- Strong knowledge on working with **GraphQL** schema**,** queries and mutations to interact with MongoDB and several other data layers.
- Implemented the **Apache Kafka** cluster as a messaging system between the **APIs** and **Microservices.**
- Extensive experience in implementation of version control software **SVN** and **CVS.**
- Hands-on experience working with the JMS provider IBM MQ Series. Developed Message Driven Beans (MDB) and extensively used the JMS API.
- Experience in creating build scripts using **Ant**, **Maven** and **Gradle** tools and scripting **Dockerfiles** and deploying onto **Docker containers**.
- Experience with Test Driven development like **JUnit, TestNG, Mockito, Selenium, Cucumber** and performed RD to develop Selenium cucumber frame.

- Good experience in developing test cases with **JUnit** for Unit testing and **Log4j** for extensible logging, debugging and error tracing.
- Application development in different environments like **Windows, Linux ,UNIX** and **MacOS**.
- Proficient in using Amazon Web Services **AWS**. Extensive experience focusing on services like **EC2, VPC, Cloud Watch, CloudFront, Cloud Formation, IAM, S3, Amazon RDS, Elastic Cache, SNS, SQS**.
- Development of services that utilize **AWS SDK's (DynamoDB, Elastic Beanstalk, Lambda).**
- Created multiple **Kubernetes clusters** in AWS and deployed a **Docker image** on top of Kubernetes Cluster for testing purposes.
- Experienced in developing applications using **Visual Studio, Eclipse, Android Studio** and **IntelliJ**.
- Experience in creating Asynchronous Messaging configuration in **Tomcat, WebLogic** and **web sphere Servers**.
- Experienced in **Python, Sqoop, pig, Hive** and **Hadoop.**
- Designed and implemented **Splunk** infrastructure, deployment, products, apps, reports, alerts, and dashboards and created charts for the **log data** and **analyze log data** to know customer expectations.
- Good experience with Source code management collaboration tools **GIT, SVN, GitHub, Bitbucket, Gitlab, TeamCity, Pivotal Tracker, AWS-Code commit**.
- Technical expertise, Comprehensive problem-solving abilities, Innovative thinking, Interpersonal skills and Ability of quick learning and work effectively with a team under stringent deadlines.

EDUCATIONAL DETAILS:

- Bachelors in Computer Science -**R.V. R & J.C** College of Engineering - 2014
- Masters in Computer Science – **Texas Tech University** - 2017

TECHNICAL SKILLS:

Programming Languages	Java 1.7/1.8, C++, SQL,PL/SQL, Python, Scala.
Software Methodologies	Agile, Scrum, TDD, SDLC.
J2EETechnologies& frameworks	JSP (2.x), JSTL, Servlets 3.1, EJB, JDBC, JPA,Java Beans XSD, JAX-RS, JAX-WS, SOAP, WSDL, Axis, Java Security, JBPM.
Web Technologies	HTML, DHTML, AJAX, Bootstrap, JavaScript, jQuery, XML, XSLT, XSL, CSS, JSON, Node Js, Angular 2, React JS.
Frameworks	Spring, Hibernate, Angular 2, Spring Security, Spring MVC, Spring Boot, Spring Data, Spring Cloud, Spring AOP, Servlets, Java Swing, Applets, Spark.
Web Services	SOAP, RESTful, Oracle SOA, UDDI, WSDL.
Design Patterns	Singleton, Factory, MVC, Adapter, Session Facade, DAO , DTO, Business Delegate and Business Object.
IDEs	Visual Studio, Eclipse, Android Studio and IntelliJ.
Application/Web Servers	Web Logic Server 12c, Apache Tomcat (8.5/8.0), Apache HTTP Server, IBM HTTP Server (8.5).
Relational Databases	Oracle 9i/10g/11g/12c, SQL Server 2012/2014/2016,MySQL, Postgresql.
NoSQL Databases	MongoDB.
Build Tools	Maven, Ant , Gradle , Jenkins, Spring Tool Suite.
Testing Tools	JUnit, TestNG, Mockito, Selenium, Cucumber and Log4j.
Reporting Tools	Jasper Reports 6.0, Crystal Reports XI, SSRS 5.0.
Version and Source Control	GIT, Bitbucket, CVS, SVN, GITHUB 2.12.0.
Operating Systems	Windows, Unix, Linux, MacOS.

Cloud Technologies	AWS, EC2 VPC, Cloud Watch, CloudFront, Cloud Formation, IAM, S3, Amazon RDS, Elastic Cache, SNS, SQS, Pivotal Cloud Foundry (PCF), Docker and Azure.
O-R Mapping	Hibernate.
Message Brokers	Apache Kafka, RabbitMQ, JMS MQ, IBM MQ
Big Data Technologies	Hadoop, Apache Spark, Scala, Hive, HBase, Sqoop, Splunk

PROFESSIONAL EXPERIENCE:

Client: Ford, Auburn Hills, MI	**Aug 2018 - Till Date**
Role: Senior Java Developer	

Responsibilities:
- Involved in analysis, design, and implementation and testing phases of **SDLC** through **Agile Methodology**.
- Developed responsive UI components using **HTML5, CSS3, JQuery, Java Script** and **ReactJS**.
- Developed applications using **Angular 2** and **lambda expressions** in **Java8** to store and process the data.
- Developed UI components using Angular 2 **dependency Injection**, Models, data binding and controllers.
- Implemented **Angular 2** Router to enable navigation from one view to next as the agent performs application tasks.
- Developed Application to assess **JSON** and **XML** from **Restful** web service from consumer side using **Angular.**
- Developed the Application using design patterns-**Singleton, Factory, DAO, DTO prototype** and **Composite** View.
- Implemented **Lambda Expressions**, **Streams** and **Predicates** to reduce the line of code and better functionality in the Service Layer of the application.
- Implemented the associated business **modules integration** using **Spring framework** and **Hibernate data mapping.**
- Implemented Hibernate Template to great extent making use of HQL, Named Parameters, Named Queries and interfaces such as Expression, Query and Criteria.
- Implemented Object-relational mapping using **Hibernate framework** to fetch the data from **Oracle** database.
- Extensively used **Hibernate** in the data access layer to access and update information in the database.
- Developed several **REST** web services which produce both **XML** and **JSON** to perform tasks, leveraged by both web and mobile applications.
- Designed and developed the **RESTful** web services using the **JAX-RS API** to communicate over the network.
- Used **Microservice** architecture with **Spring Boot** based services interacting through a combination of **REST** and **Apache Kafka** message brokers and used **Spring Eureka** to retrieve API routes for the entire cluster.
- Utilized **Camel** to integrate Microservices with other Microservices.
- Involved in the configuration of **Spring, Spring Cloud, Micro Services Framework and Hibernate mapping.**
- Used Spring Annotations for Spring DI for REST APIs & Spring **Boot** for microservices.
- Used **Spring Dependency Injection**, **Annotations and Spring MVC components** to implement business layer and
  navigation part of application.
- Extensively used **Spring** Framework modules **Spring Data** and **AOP**
- Used **Spring Annotations** for **Spring DI** for REST APIs **Spring Boot** for microservices.
- Secured API's by implementing **OAuth 2.0** token-based authentication/authorization using **Spring Security** for session fixation, clickjacking, cross site request forgery.

- Developed batch processing using **Spring Batch** in the persistence layer & improved performance of batch processes using **Multithreading** with **Executor Framework** for control of asynchronous tasks in parallel threads.
- Implemented Relational Database **Oracle and PL/SQL** stored procedures.
- Developed stored procedures and triggers using **PL/SQL** to calculate and update the tables to implement business logic using **Oracle database.**
- Interacted with backend **Oracle** and wrote **Stored Procedures, Functions** and **Cursors** for deleting and inserting using **PL/SQL.**
- Executed the application using **Maven** by deriving the dependencies for the jars.
- Used Cloud formation and launch configurations to automate repeatable provisioning of **AWS** resources for applications.
- Developed services using **AWS EC2**, **S3 Buckets**, **CloudWatch**.
- Utilized **AWS Lambda platform** to upload data into **AWS S3 Buckets** and to trigger another **Lambda functions** focusing on high-availability**, fault tolerance, and auto-scaling).**
- Developed **AWS** cloud formation templates and setting up Auto scaling for **EC2 instances** and involved in the automated provisioning of AWS cloud environment using **Jenkins**.
- Used **Kubernetes** to orchestrate the deployment, scaling and management of Docker Containers.
- Implemented **CloudBees** which internally use **Jenkins** for Continuous Integration and Continuous Deployment.
- Implemented the **Apache Kafka** cluster as a messaging system between the **APIs** and **Microservices.**
- Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
- Experience in creating build scripts using **Ant**, **Maven** and **Gradle** tools and scripting **Dockerfiles** and deploying onto **Docker containers**.
- Designed and implemented triggers to **Splunk** infrastructure, deployment, products, apps, reports, alerts, and dashboards and managed **Splunk knowledge objects.**
- Used **Splunk** to create charts for the **log data** and **analyze log data** to know customer expectations.
- Using **GIT** for Source Control and Version Management and using **log4j** for logging.
- Developed test cases and performed unit testing using **JUnit**.
- Used to test performance both on static and dynamic resources using **JMeter.**
- **Jira** is used for Project Management and **GitLab** is used for issue and bug-tracking.

Environment: Java, Core Java, Spring, Spring boot, Spring Security, Spring Cloud Foundry, AWS, EC2, Camel, JUnit, JMeter, Agile, JavaScript, Web Services, HTML, CSS, Oracle, Docker, Kubernates, Maven,Angular 2 Bootstrap, JMS, CloudBees, Jenkins, chef, Kafka, GIT, log4j,Nodejs, RESTful, Splunk, Jira, GitLab, Drools .

Client: CVS Pharma, RI	**Jan 2017- July 2018**
Role: Java Developer	

Responsibilities:
- Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle(**SDLC**).
- Application is implemented using **Agile methodology** where there is a daily **SCRUM** meeting to understand the status and resolve any issues.
- Developed UI components using **HTML5, CSS3, JQuery, ReactJS** and **XML** in a responsive grid layout. Implemented responsive design template to get a new interface in **Bootstrap, HTML5**.
- Brief experience on implementing the **ReactJS** in creating animations based on CSS classes for a new requirement surfaced for the client.
- Implemented platform modules through **Spring Java microservices** and **Node.js services** by employing **Hapi.js**, as well as **front-end React JS.**
- Developed and maintained complex software components / systems in compliance with department standards including **JSP, JSTL, EJB, JMS, JAX-WS, Restful APIs** and **Java Mail**.

- Developed the applications using **Java, J2EE, Struts, JDBC.**
- Implemented the MVC architecture using **backbone.js, Node.Js** and **ReactJS**.
- Involved in preparing the High Level and Detail level design of the system using **J2EE.**
- Implemented user interface coding and styling using **ReactJS, CSS, Node.js** and **Bootstrap** template.
- Developed and implemented **Swing, spring** and J2EE based MVC framework for the application.
- Developed web-based applications using **Java/J2EE, Servlets, Struts Spring IOC, Spring MVC, Spring AOP, Spring Security, Spring Boot, Spring Web Flow, Spring Data, JDBC and ORM frameworks** using **Hibernate.**
- Used **Spring** Framework for **Dependency Injection** and integrated it with the **JSF Framework.**
- Used **Hibernate** for Database Persistence to perform **CRUD** operations like insert, update, retrieve.
- Implemented pre authentication and database security using **spring security**.
- Implemented crosscutting concerns using **Spring AOP**.
- Used **XStream** API to transfer data back and forth between **Spring MVC** and **Ext JS**.
- Implemented the application using **design patterns** such as **Session Facade**, **Business Delegate**, **Adaptor**, **Bean Factory** and **Singleton**.
- Implemented **SOAP** messages for information exchange for Web services.
- Implemented Java Web services based on **SOA** architecture with **SOAP and WSDL.**
- Used Postman and **SoapUI** to test Restful web service endpoints and performed operations to get, post, update and delete data.
- Worked on **POSTMAN** tool for testing Web Service by passing SOAP request to Web service provider.
- Used **Micro service** architecture with **Spring Boot** based services interacting through a combination of REST and **Apache Kafka** message brokers.
- Worked with **Microservice** architecture using **Spring Boot** to modularize code and implemented Rest API's using **Spring Rest** and integrated **Swagger API** for documentation.
- Deployed **Micro-services** as **Restful** Java Web Services on **Amazon Elastic Beanstalk.**
- Used **Amazon ElasticSearch** service for application monitoring and full-text speech.
- Worked with **MongoDB** to store non-relational data into collection and retrieve them whenever required.
- Used **Hibernate** in persistence layer to persist data into both databases **Oracle** and **Mongodb.**
- Designed and implemented **AWS EC2** server setup and deployment, build, and configure various resources using **EC2, S3, Lambda, ECS, Load Balancers** and **IAM Security Groups.**
- Implemented the **Apache Kafka** cluster as a messaging system between the **APIs** and **Microservices**.
- Extensively worked on **Docker** for different infrastructure setup and end to end automation.
- Created public and private subnets within the **VPC** and attached them to the **EC2 instances**.
- Developed test cases and performed testing using **Mockito.**
- Configured **Jenkins** for successful deployment for testing and production environments.
- Used **log4j** for logging errors in the application.
- Used **Junit** and **TestNG** testing Framework as a test runner and **JIRA** for Project management**.**

Environment: JAVA/J2EE, JAX-WS, EJB, Web Logic, ReactJS, JMS, Oracle, Log4j, Eclipse, Maven, Jenkins, Docker, Spring, Spring Boot, Hibernate, MongoDB, SOAP, AWS EC2, Mockito, MEAN Stack, Kafka, Postman, Swagger, JUnit, JIRA.

Client: Convergys, Hyderabad, India	**Jan -2014 - Dec 2015**
Role: Java Developer	

Responsibilities:
- Involved in SDLC phases: analysis, specification, design, implementation, and testing. Agile methodology with daily SCRUM meetings for status updates and issue resolution.
- Developed user interface for management module using **HTML, CSS, and JavaScript.**
- Developed and maintained software components compliant with standards **(JSP, JSTL, EJB, JMS, JAX-WS, Restful APIs, Java Mail)**.

- Used core java concepts **Collections, Exception handling, Multi-threading ,IO** to develop business logic.
- Building cloud **Microservices** and implementing back-end using **Spring Boot.**
- Worked with **Microservice** architecture using **Spring Boot** to modularize code and implemented Rest API's using **Spring Rest** and integrated **Swagger API** for documentation.
- Used **Java Messaging Services (JMS)** for reliable and asynchronous exchange of important information such as payment status report, parsing of JMS XML messages.
- Developed **Custom tag libraries** to separate presentation and processing logic.
- Used **Java Messaging Services (JMS)** for reliable and asynchronous exchange of important information such as payment status report.
- Wrote authentication and authorization classes and manage it in the front controller for all the users using **Spring security.**
- **Developed SOAP based Web Services** for Integrating with the Enterprise Information System.
- Used **Webservices – WSDL and SOAP** for getting credit card information from third party vendors.
- Used **EJBs** in the application and developed Session beans for the business logic at the middle tier level.
- Wrote **SQL queries**, stored procedures, modifications to existing database structure for addition features Controller Servlets, Action, Form objects for process of interacting with Oracle database and retrieving dynamic data.
- Involved in the design of tables in oracle to store the pay information.
- Designed configuration **XML Schema** for the application.
- Developed the **JSP** using the tag libraries. Perform validations using **struts validation** framework.
- **CVS** was used for project management and version management.
- Used **JDBC** to interact with the **Oracle database** for storage and retrieval of information.
- Involved in the building Maven POM files and Maven testing.
- Continuous integration to build the project using **Jenkins** with **Maven** Builder.
- Used **Clear Case** for source code maintenance.
- Used **Log4J** to capture the log that includes runtime exceptions.
- Developed unit test cases for the data access layer and business components using **Junit** and **EasyMock**.

Environment: HTML, CSS, JavaScript, JMS, Spring MVC, Spring Boot, REST API, Jenkins, Maven, EJB, JMS, JSP, SOAP, WSDL, JDBC, UML, Clear case, Junit, Easy Mock, Java, Oracle, SQL, Log4J.